

FIG. 1

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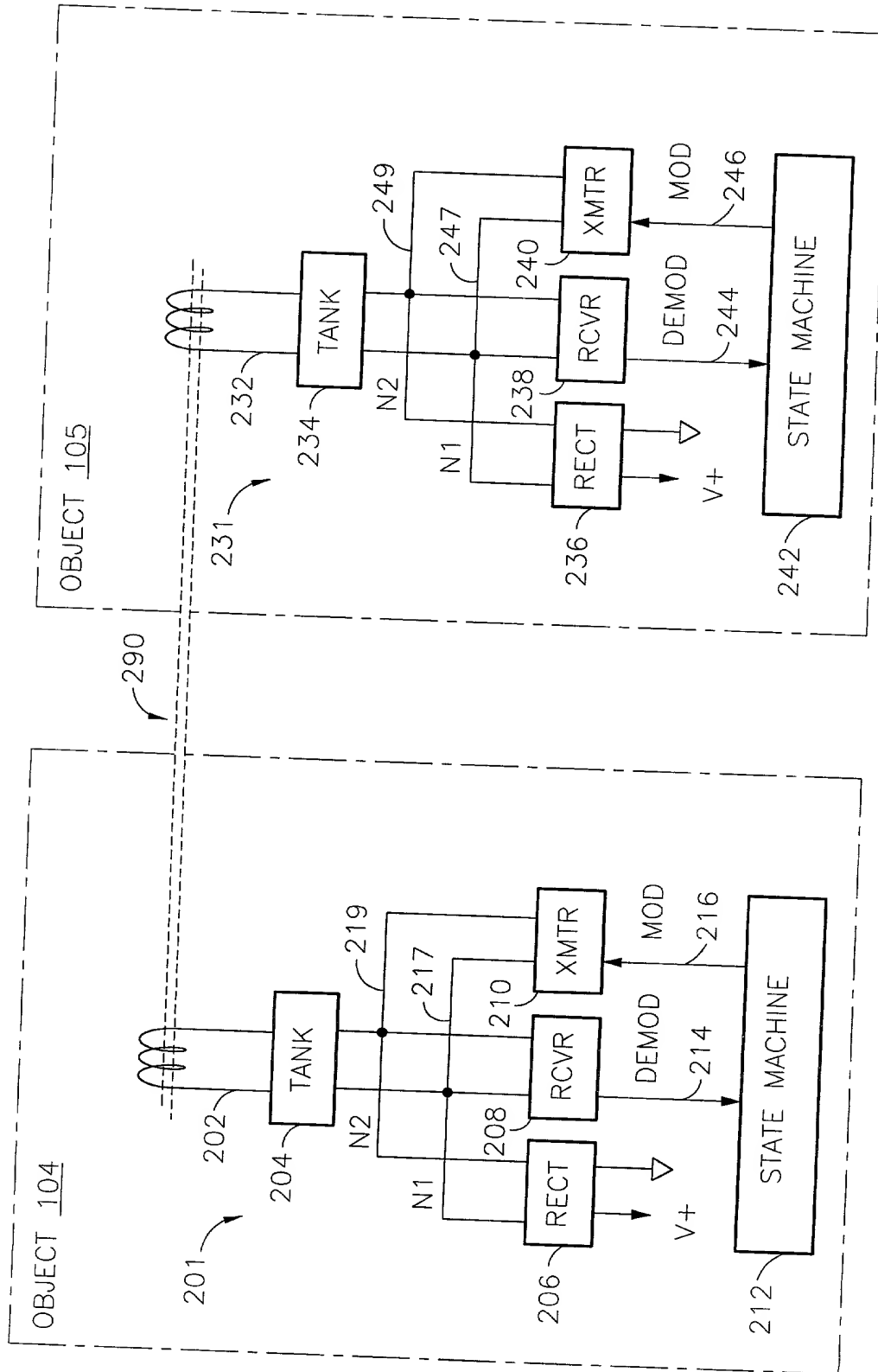


FIG. 2

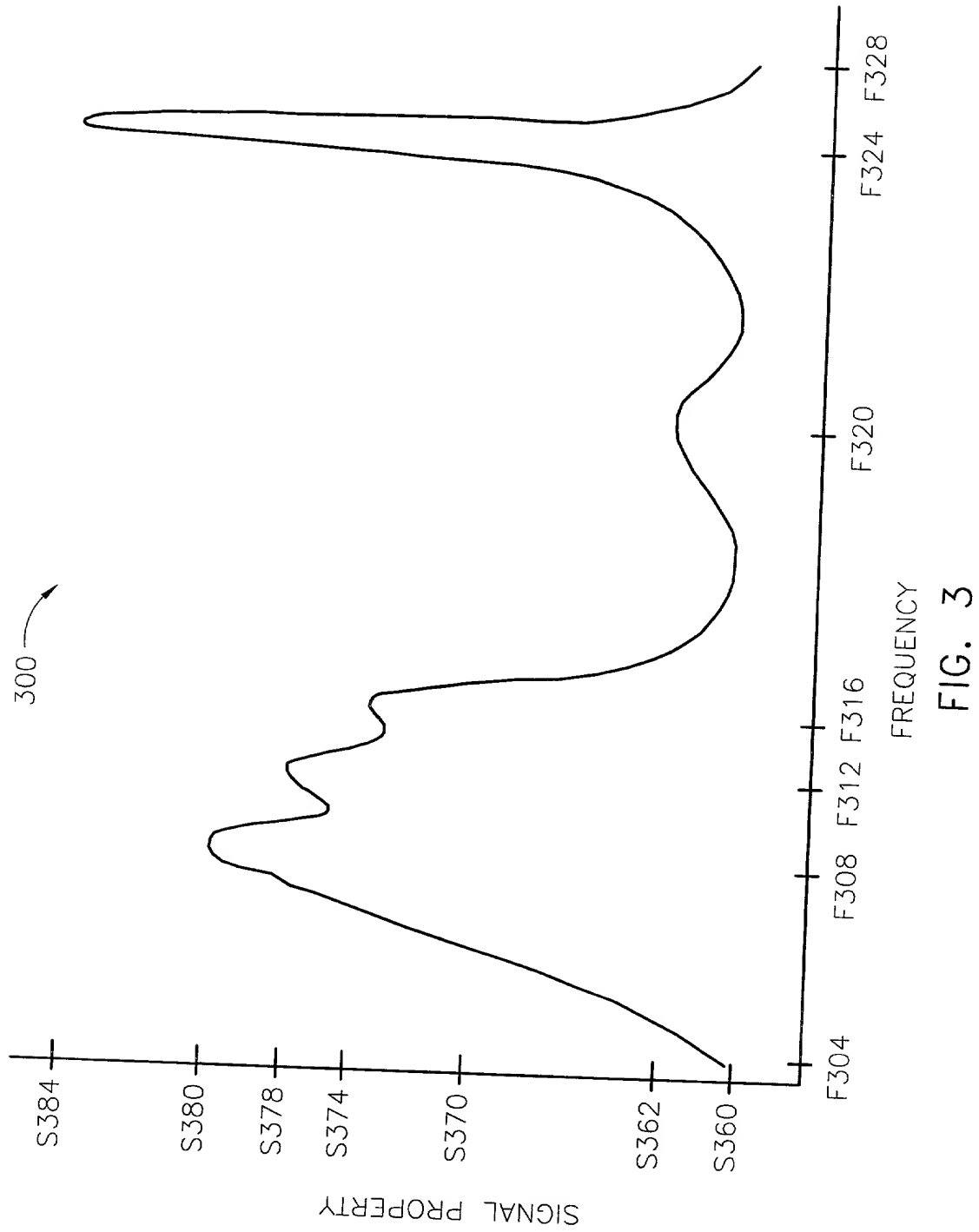


FIG. 3

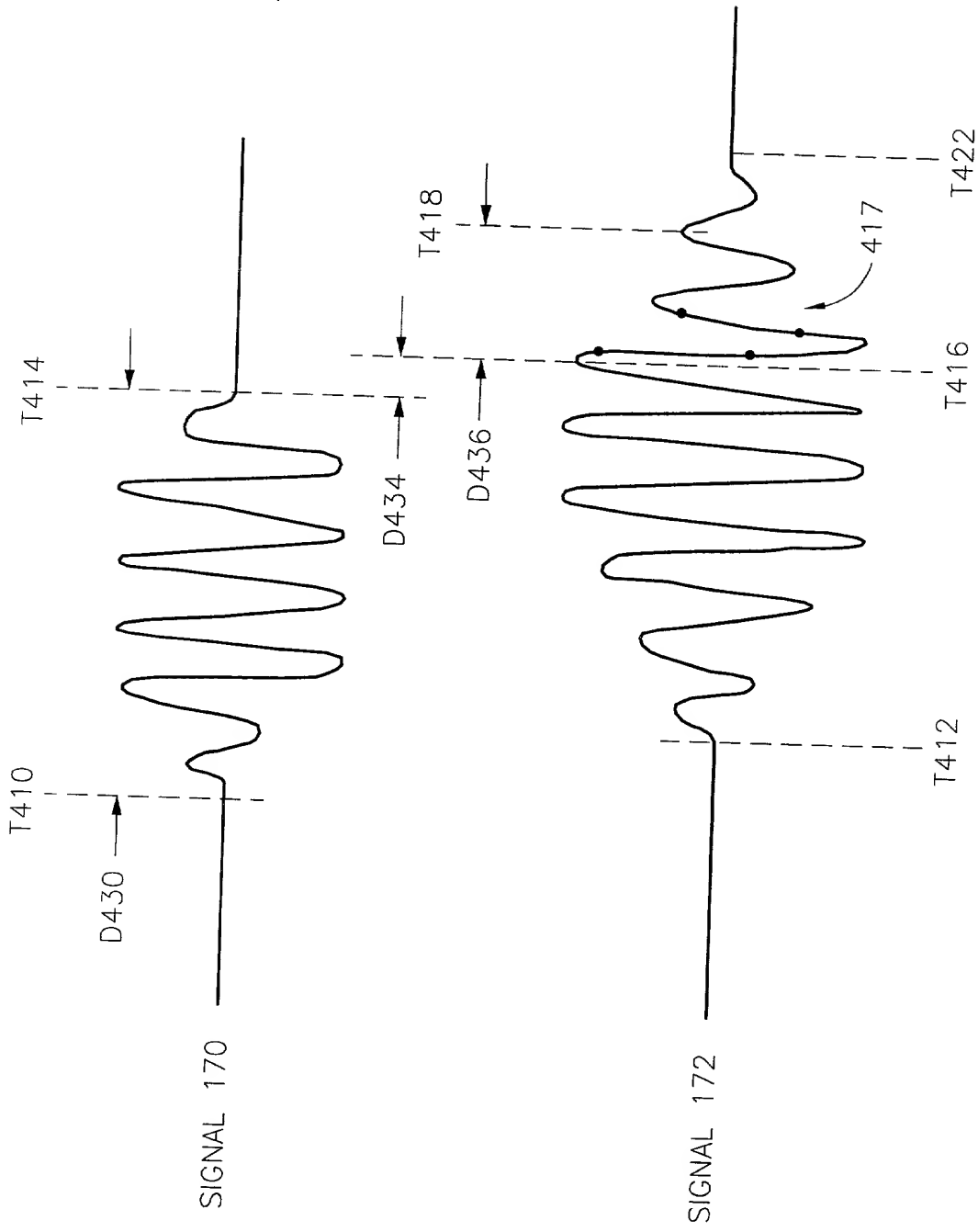


FIG. 4

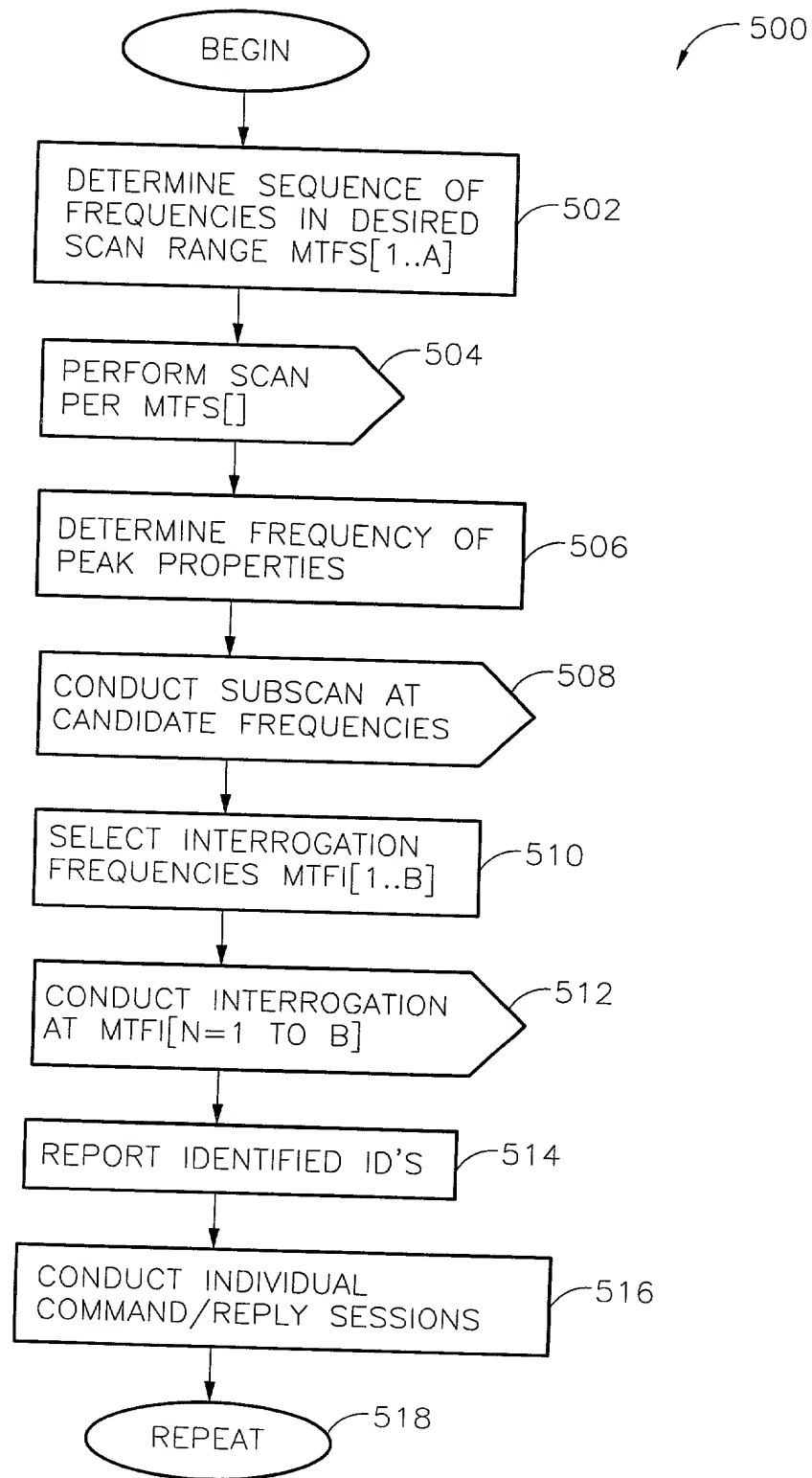


FIG. 5

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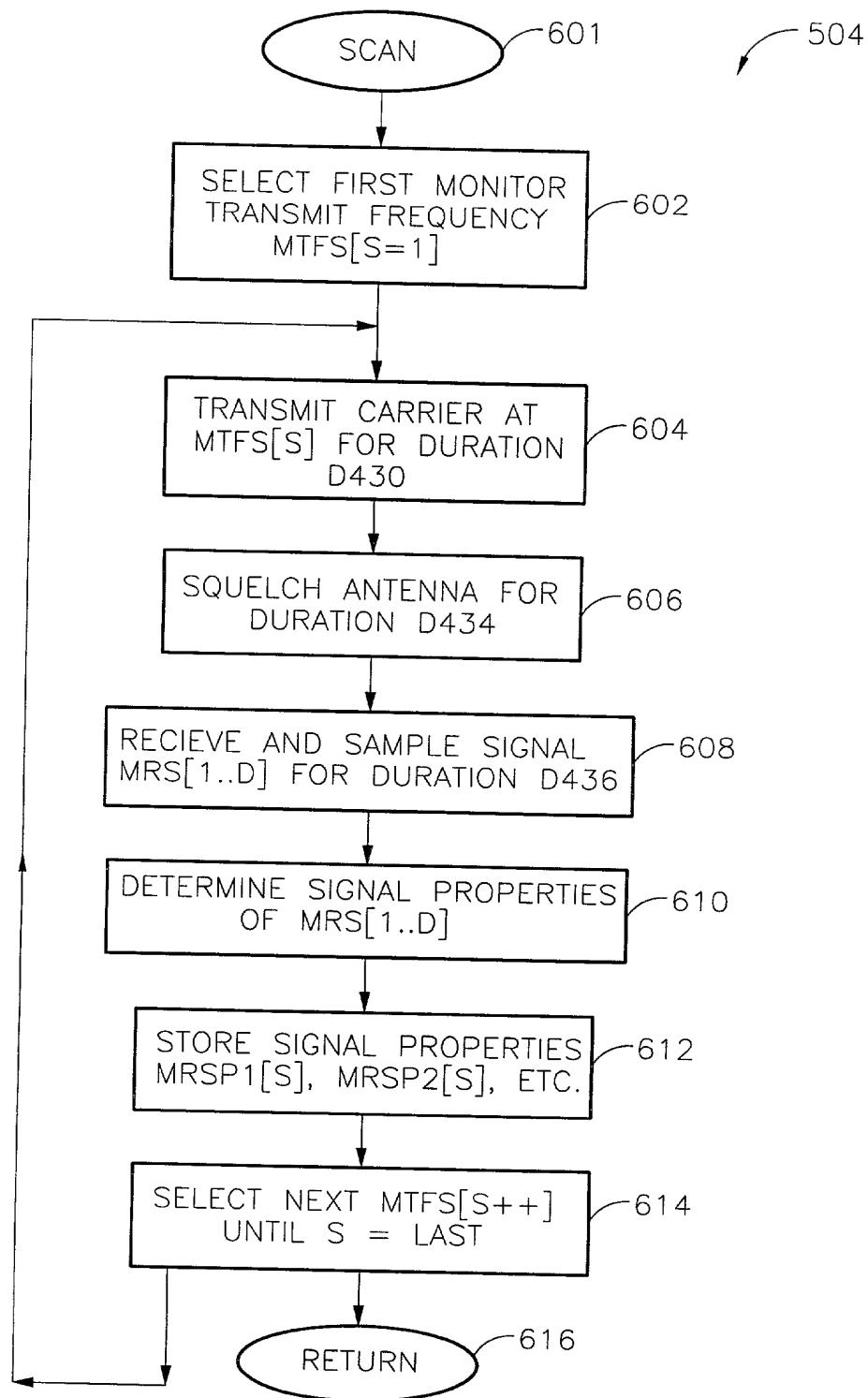


FIG. 6

508

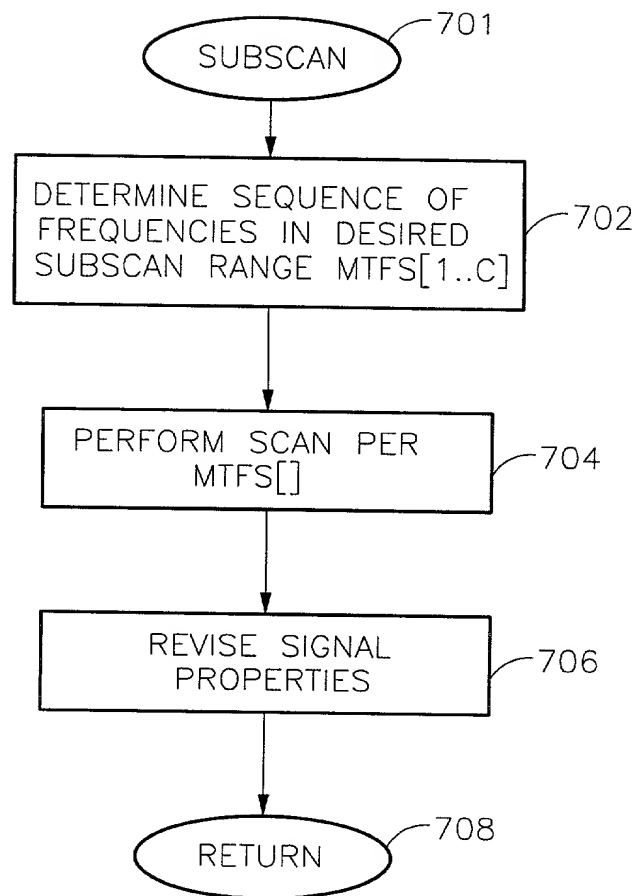


FIG. 7

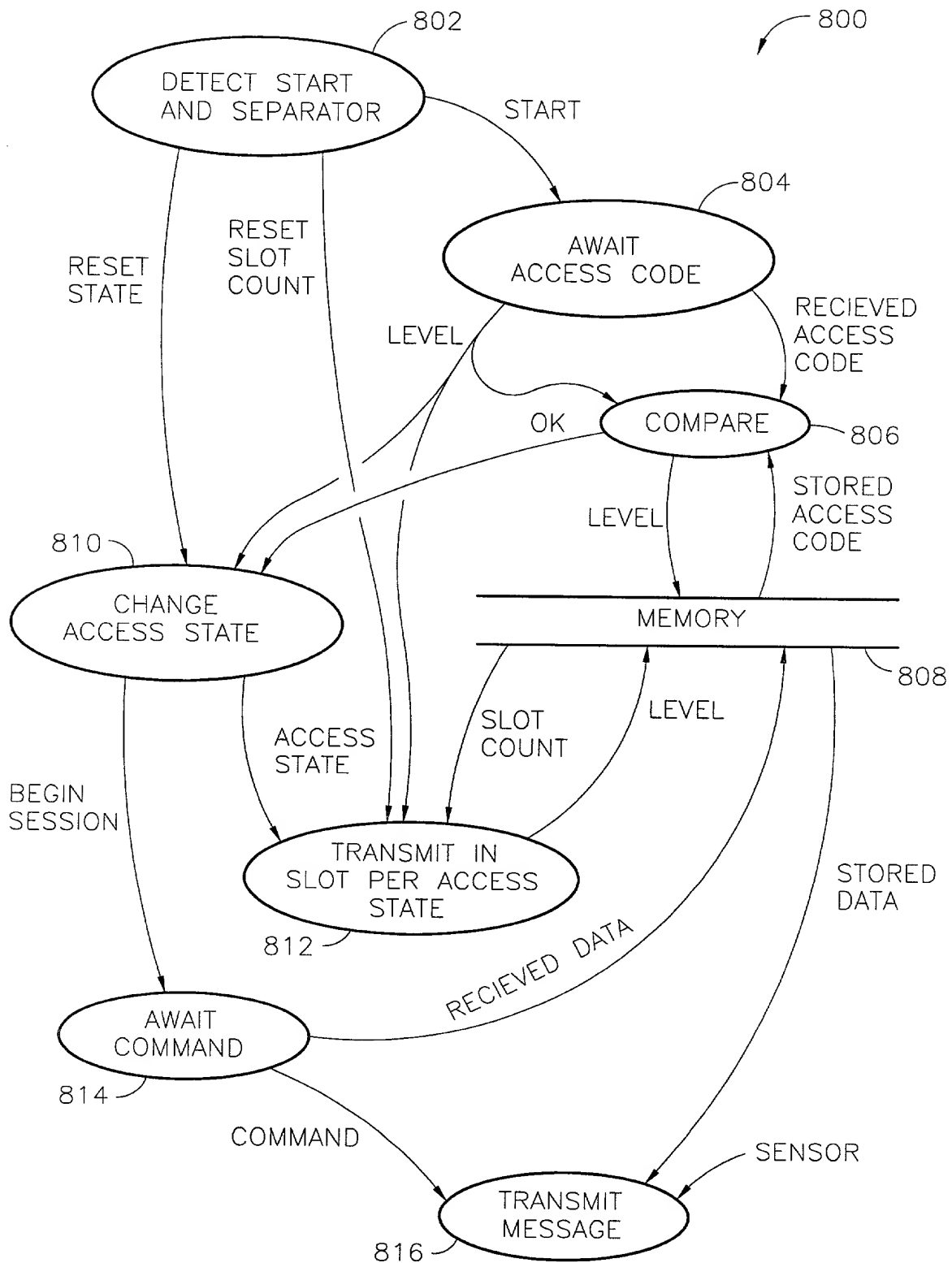


FIG. 8

COMMANDS			
PURPOSE	REF.	ACTION BY TRANSCEIVER(S)	SCOPE
AFFECT ACCESS STATE	902	RESET AN ACCESS STATE BIT	ONE/GROUP
	904	SET AN ACCESS STATE BIT	ONE/GROUP
	906	CLEAR SLOT COUNTER	ALL
SEND DATA TO XCVR	908	ACCEPT DATA FOR STORAGE IN MEMORY	ONE/GROUP
	910	ACCEPT CONFIGURATION FOR SENSOR	ONE/GROUP
OBTAIN REPLY FROM XCVR	912	REPLY WITH ACK IN TIME SLOT CORRESPONDING TO EACH XCVR'S RESPECTIVE MEMBERSHIP	GROUP
	914	REPLY WITH DATA FROM MEMORY	ONE
	916	REPLY WITH SENSOR DATA	ONE
	918	REPLY IN TIME SLOT(S) CORRESPONDING TO DATA FROM MEMORY	ONE/GROUP
	920	REPLY IN TIME SLOT(S) CORRESPONDING TO SENSOR DATA	ONE/GROUP

FIG. 9

COMMAND	ARGUMENT	PREREQ. STATE BITS	TIME SLOT INDICATES	STATE BITS SET
1000	GID	NONE	SGID	NONE
1001	GID	NONE	S ² GID	NONE
1002	GID	NONE	S ³ GID	NONE
1003	GID	NONE	MEMBER ID	NONE
1004	GID	NONE	SGID	B0
1005	SGID	B0	S ² GID	B1
1006	S ² GID	B0, B1	S ³ GID	B2
1007	S ³ GID	B0, B1, B2	MEMBER ID	B3
1008	ADDR. OF SENSOR OR MEMORY AND/OR DATA TO STORE	B0, B1, B2, B3	WRITE ACK. OR DATA FROM SENSOR OR MEMORY	NONE

FIG. 10

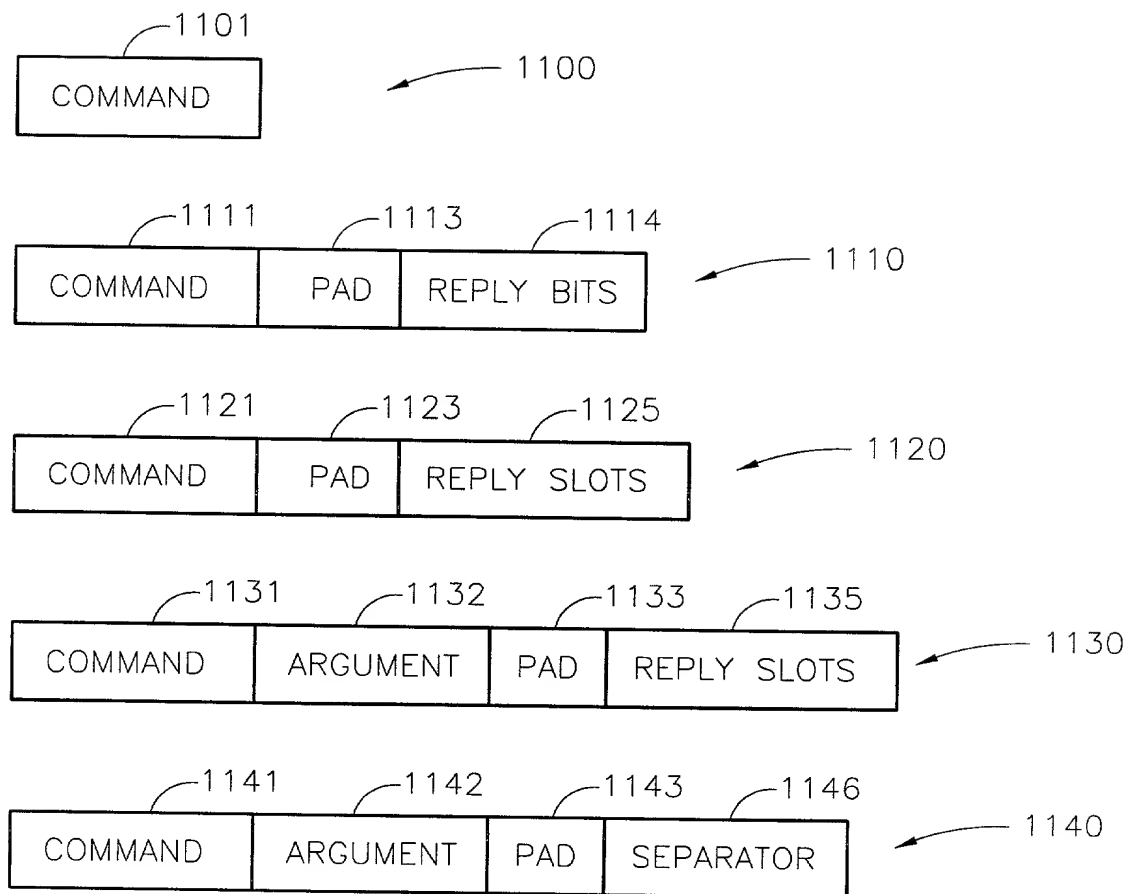


FIG. 11

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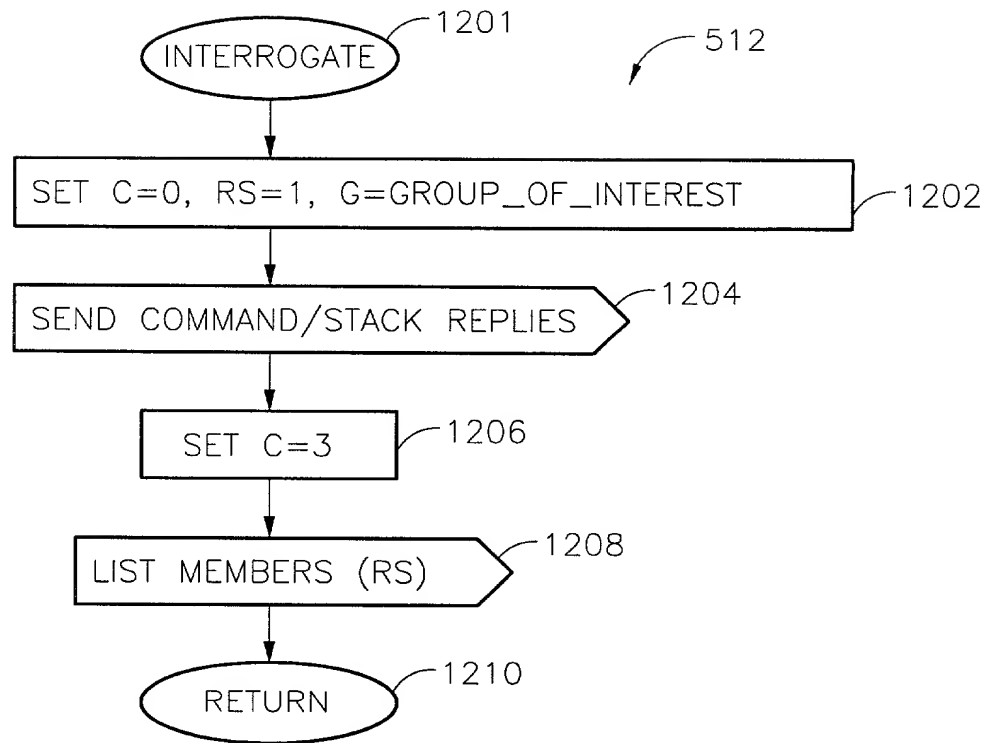


FIG. 12

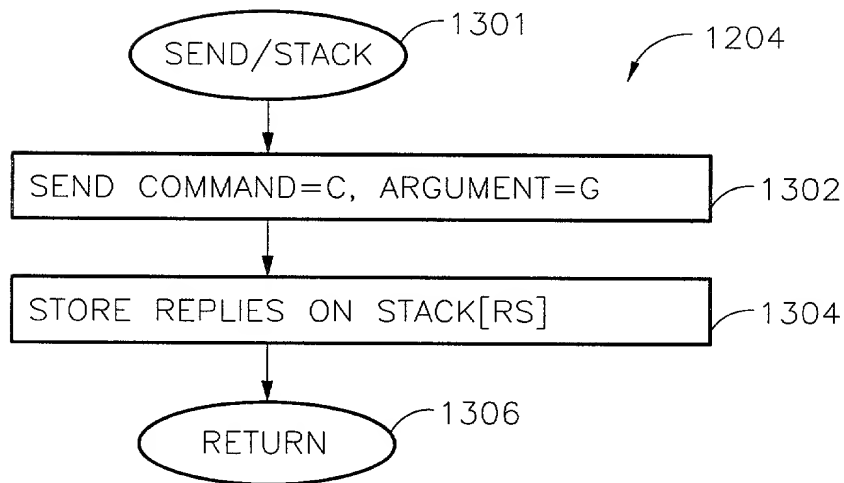
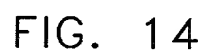


FIG. 13



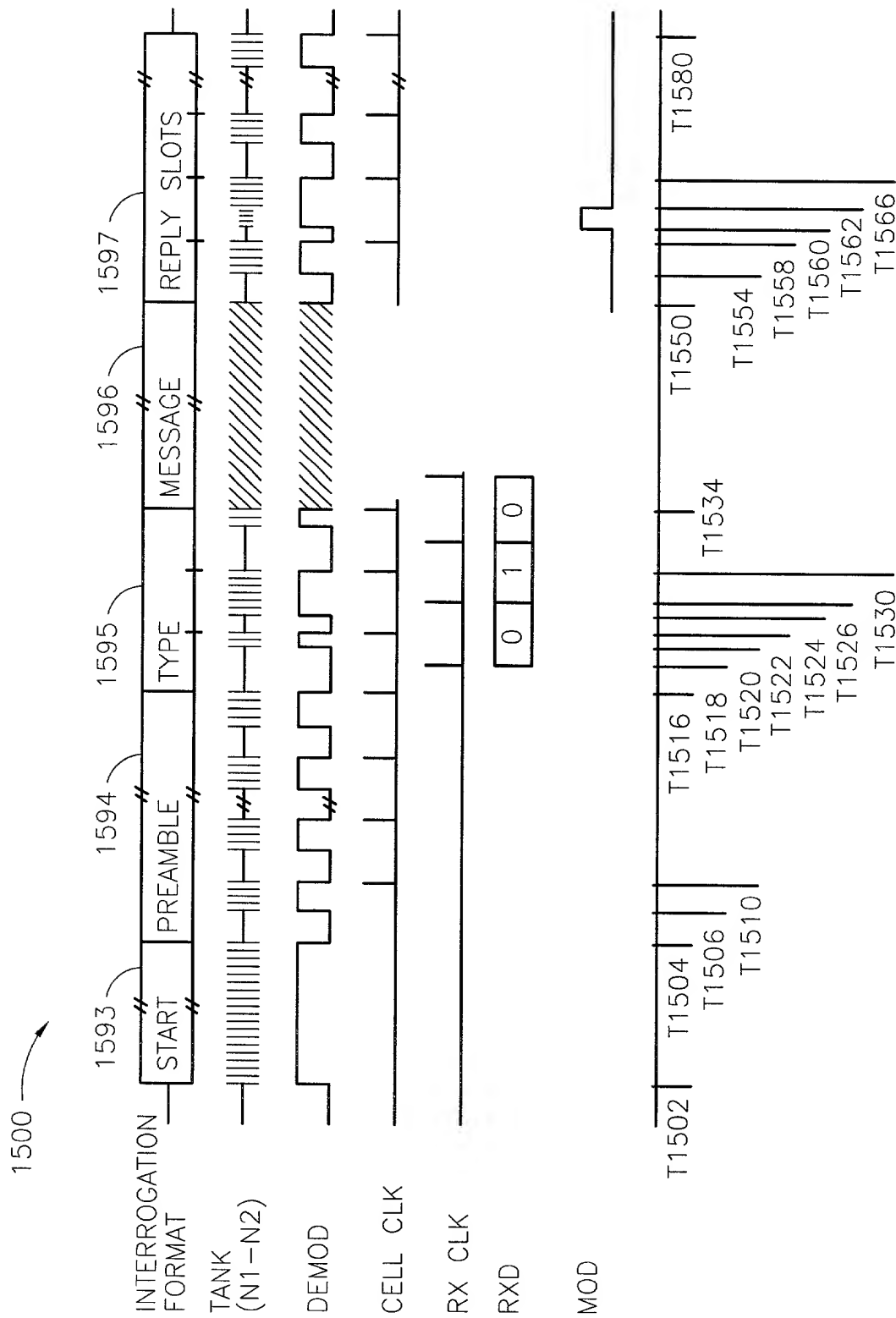


FIG. 15

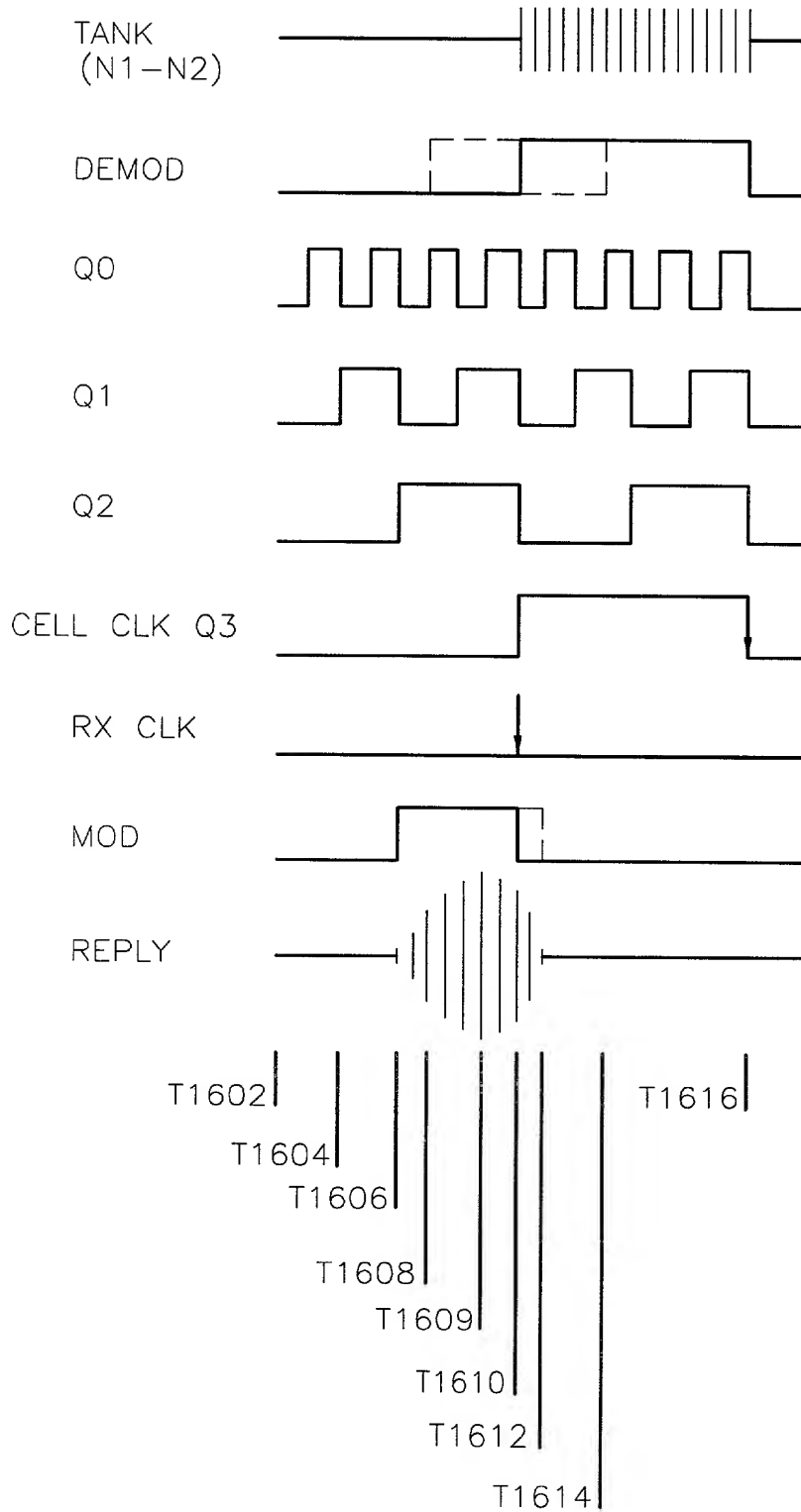


FIG. 16

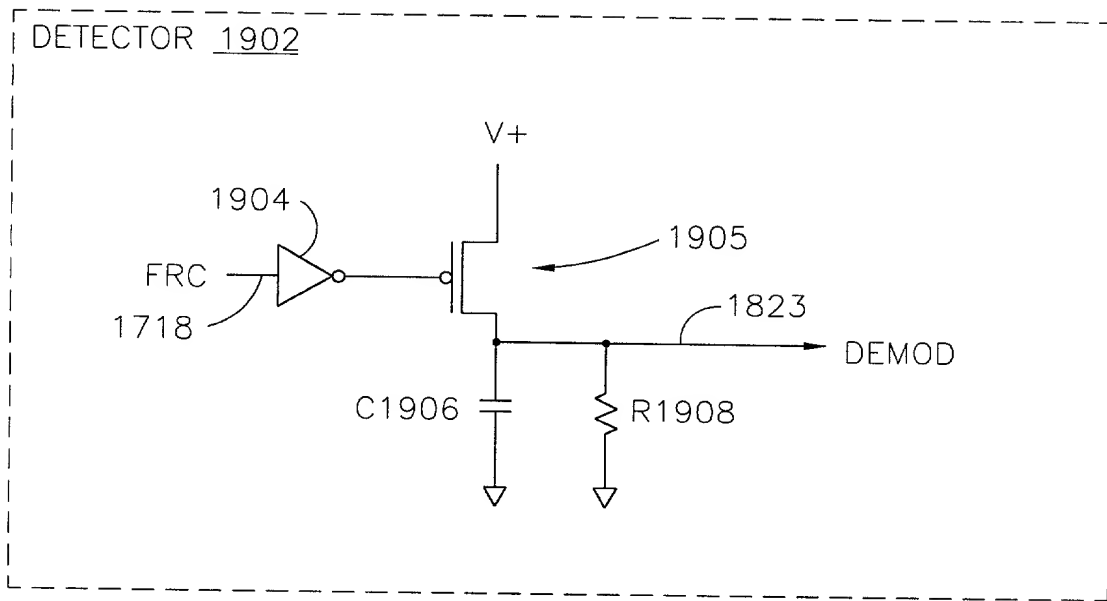


FIG. 19

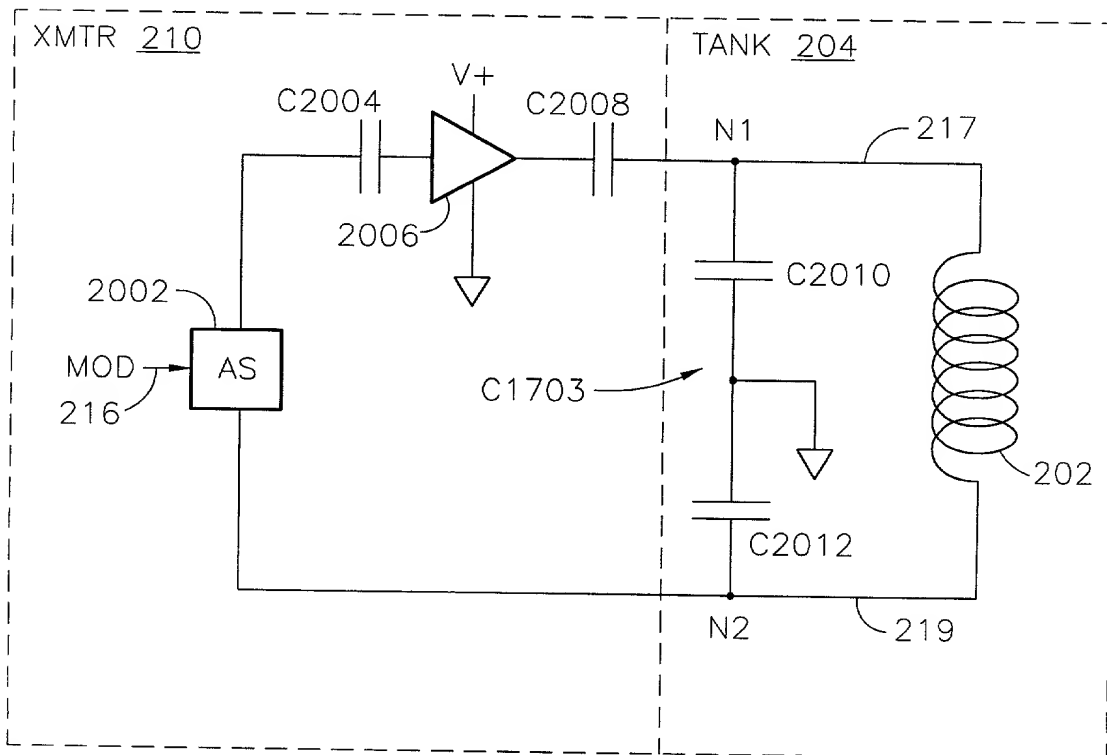


FIG. 20

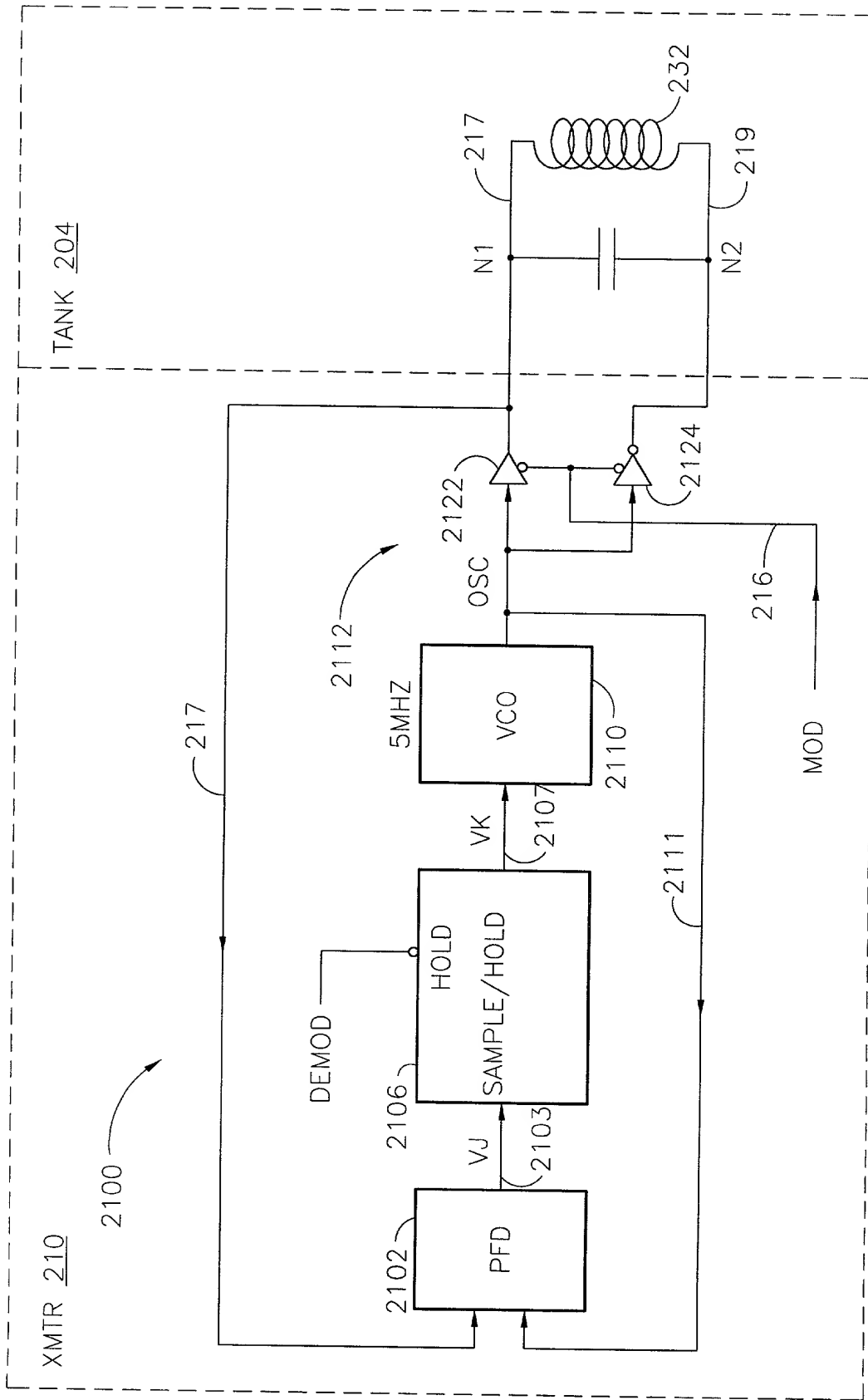


FIG. 21

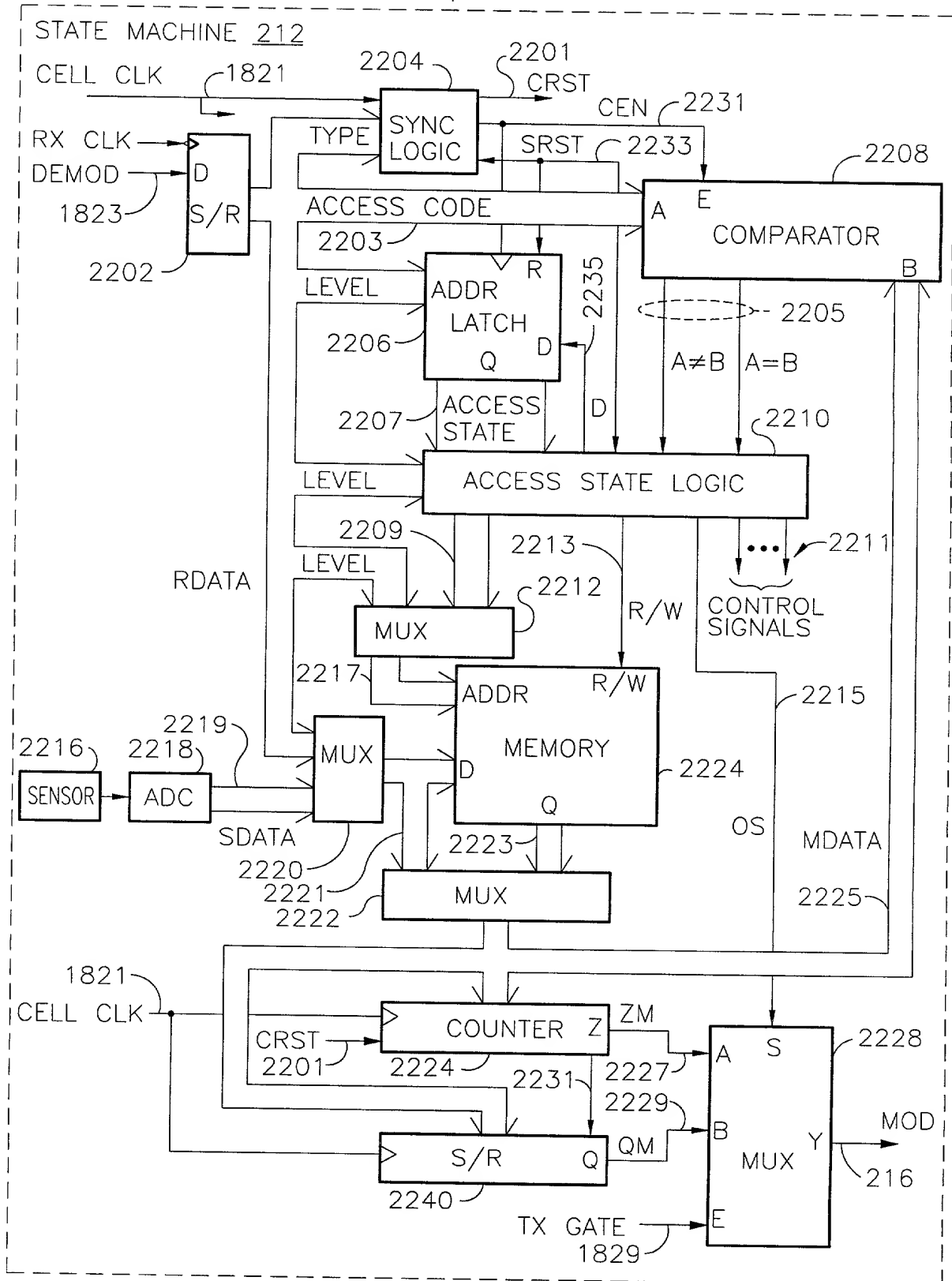


FIG. 22

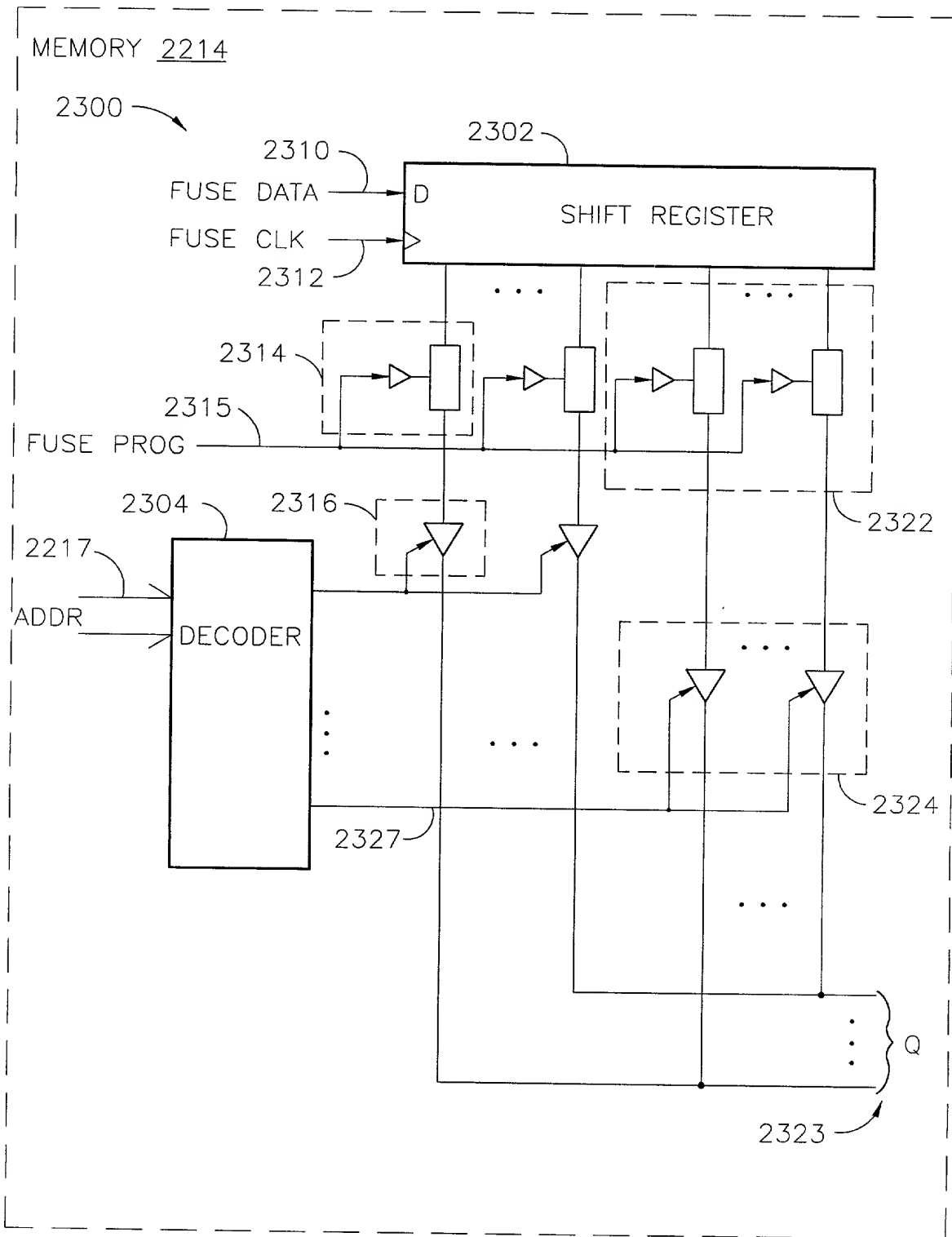


FIG. 23

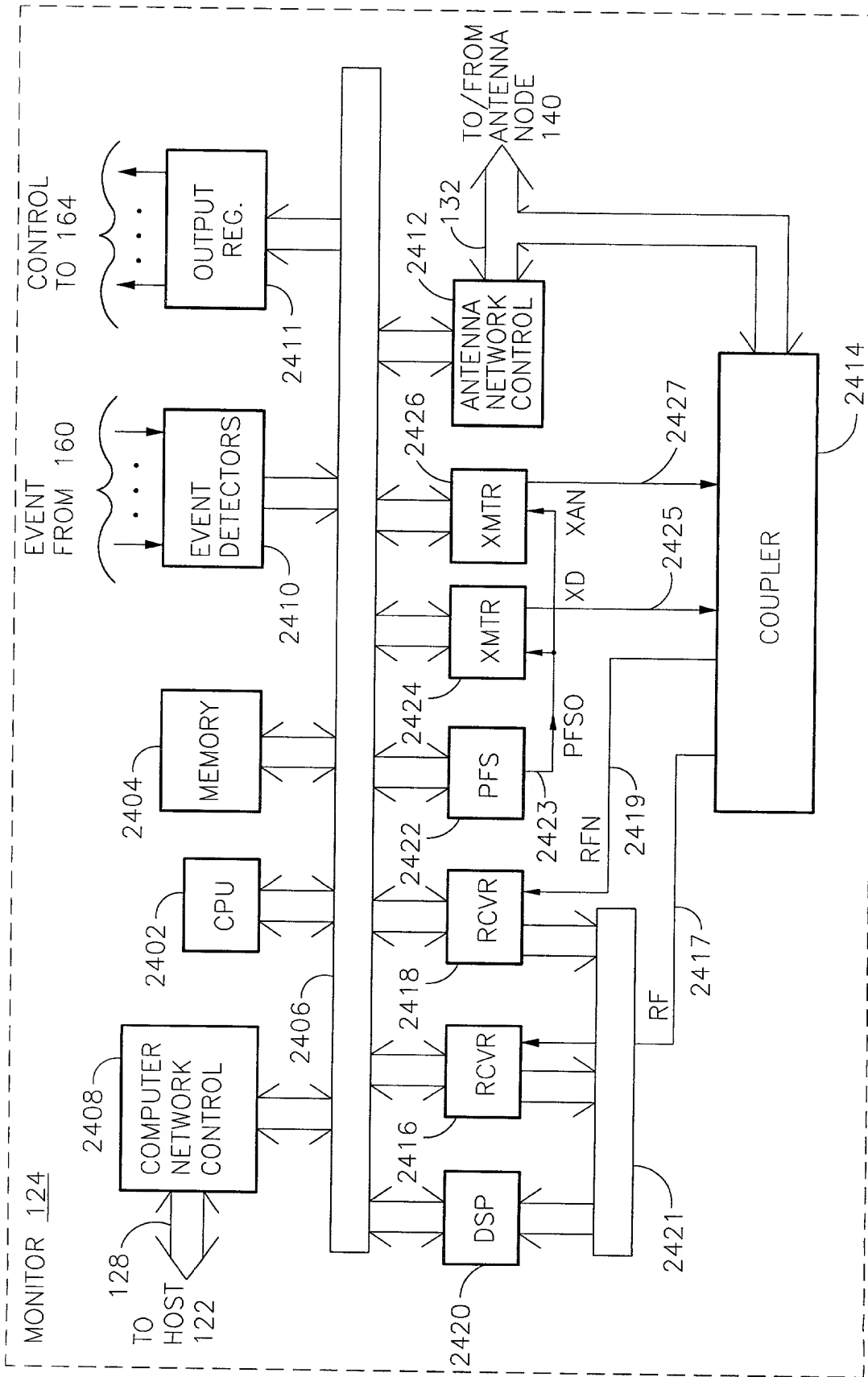


FIG. 24

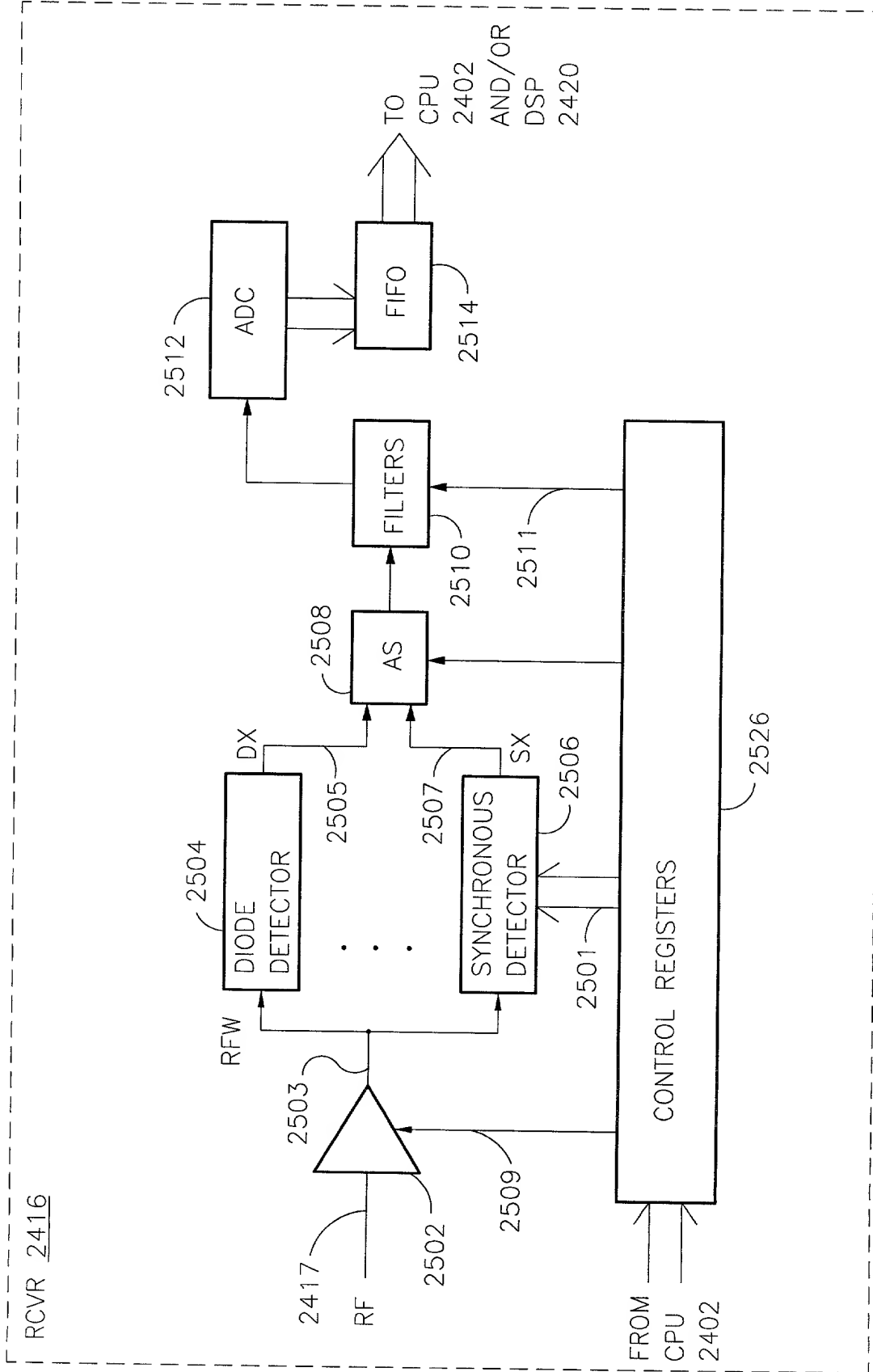


FIG. 25

DIODE DETECTOR 2504

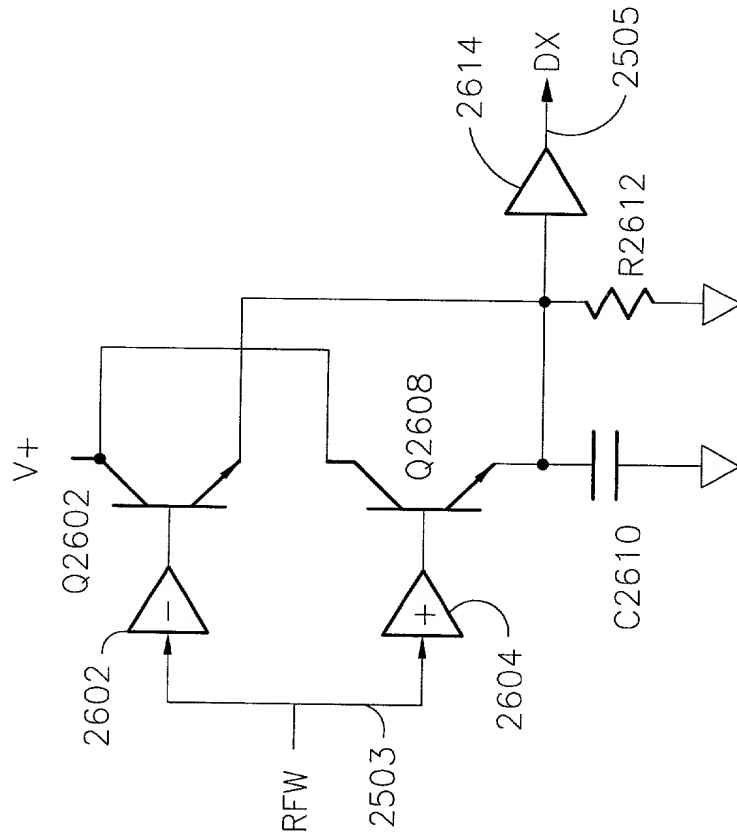


FIG. 26

SYNCHRONOUS DETECTOR 2506

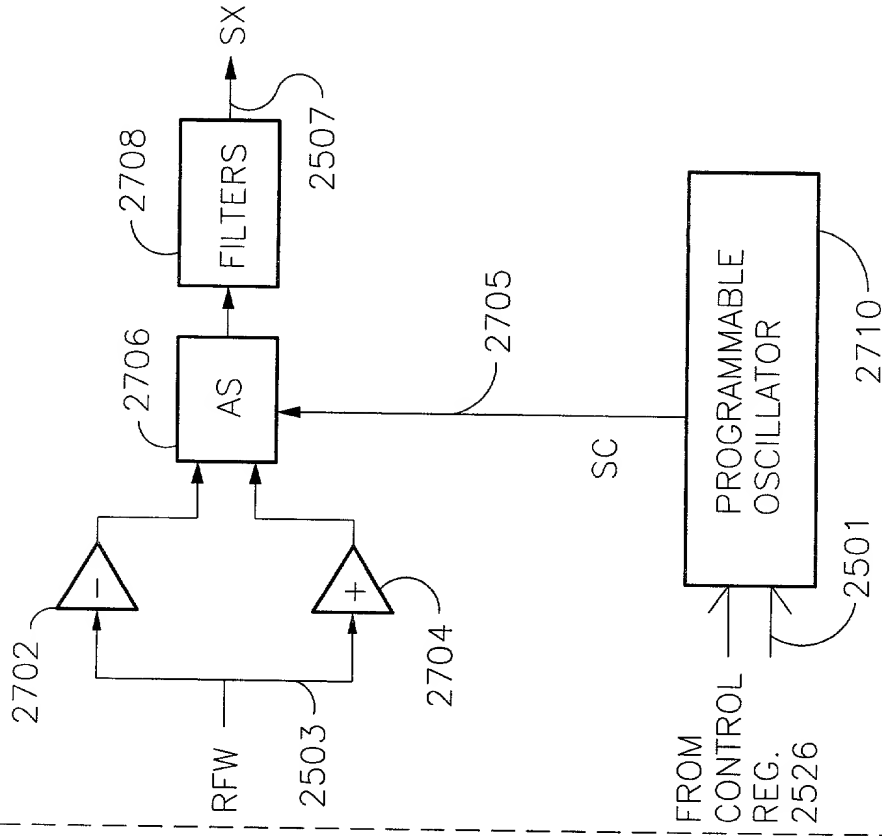


FIG. 27

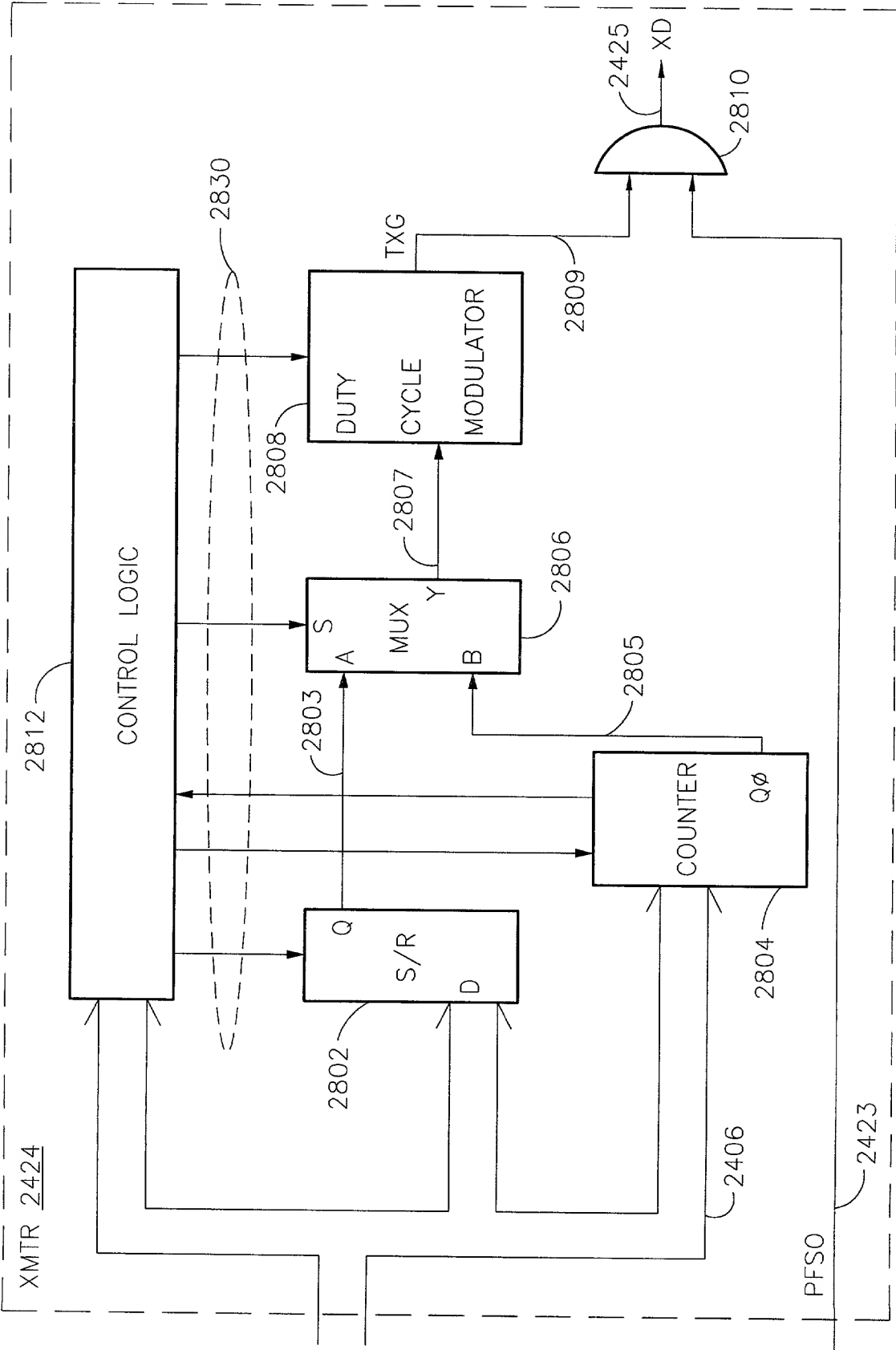


FIG. 28

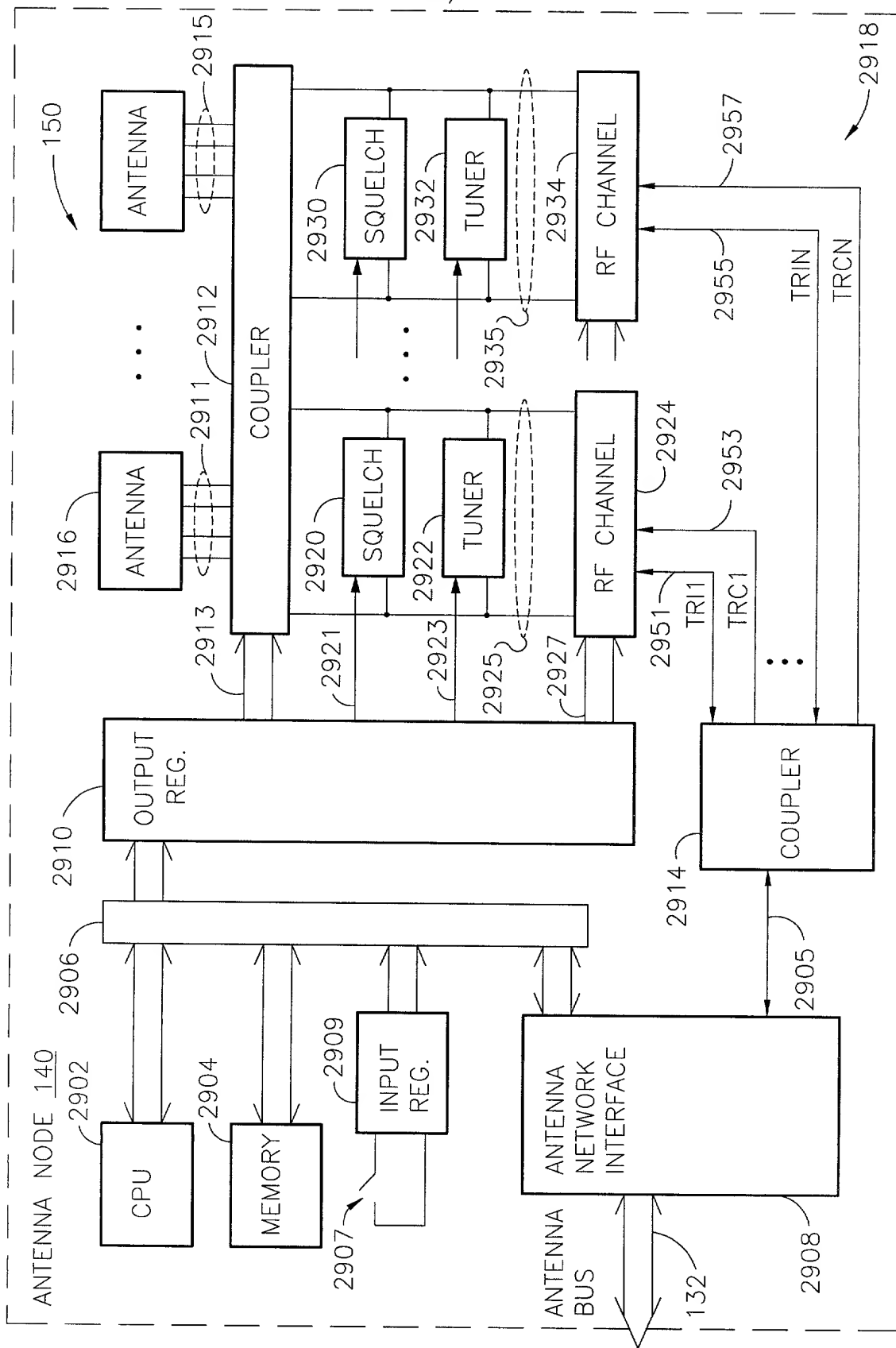


FIG. 29

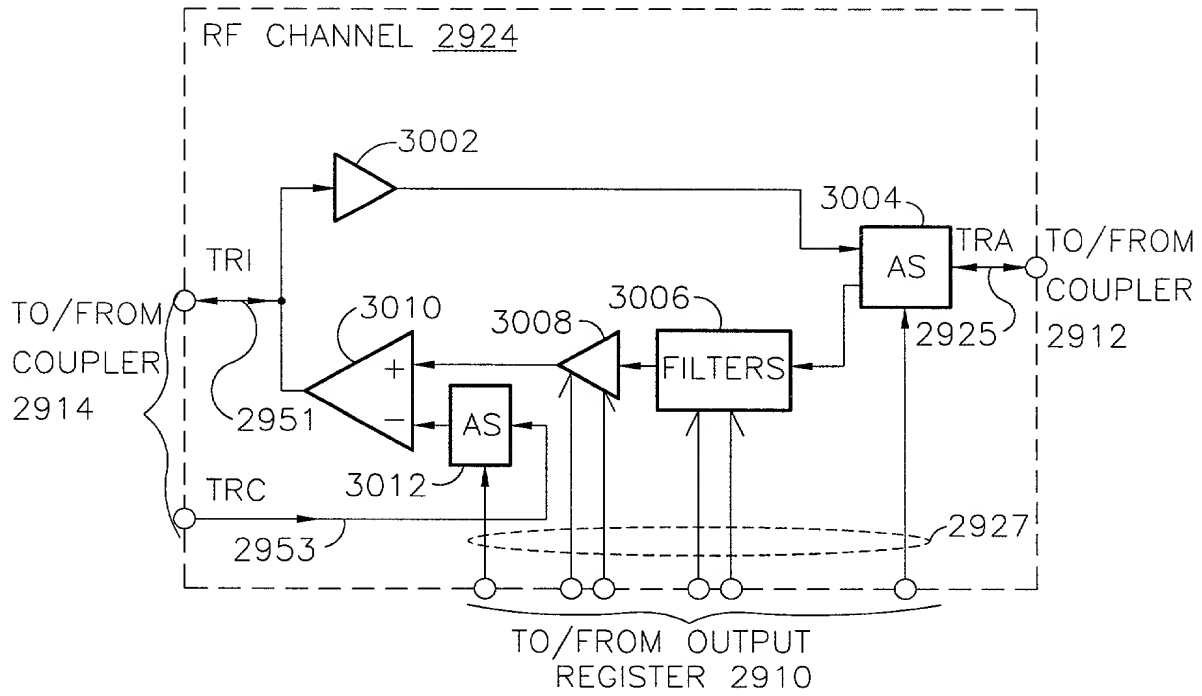


FIG. 30

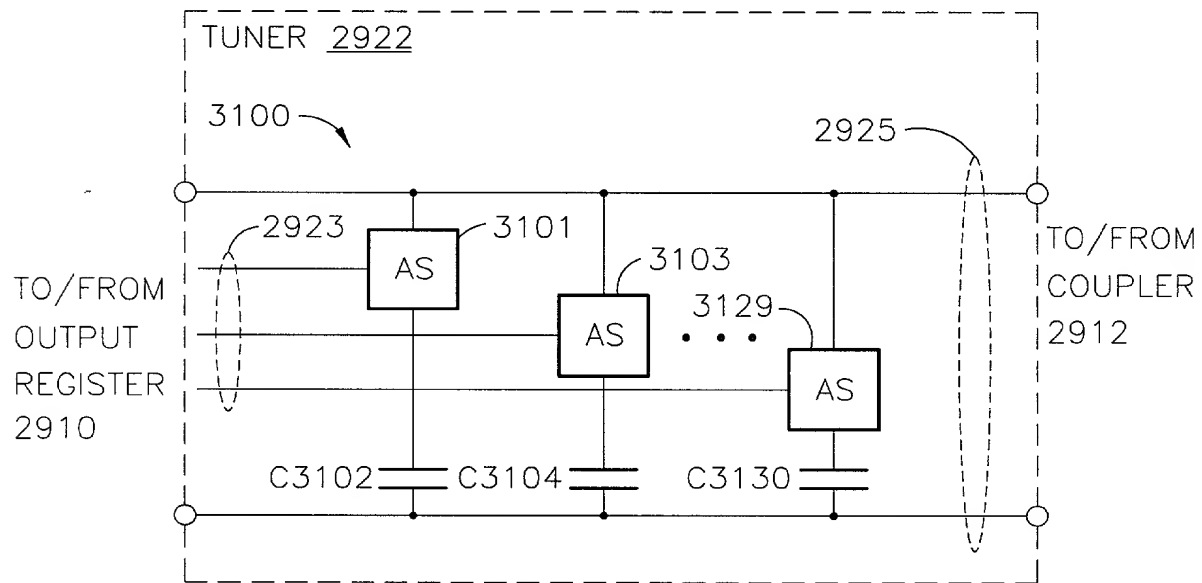


FIG. 31

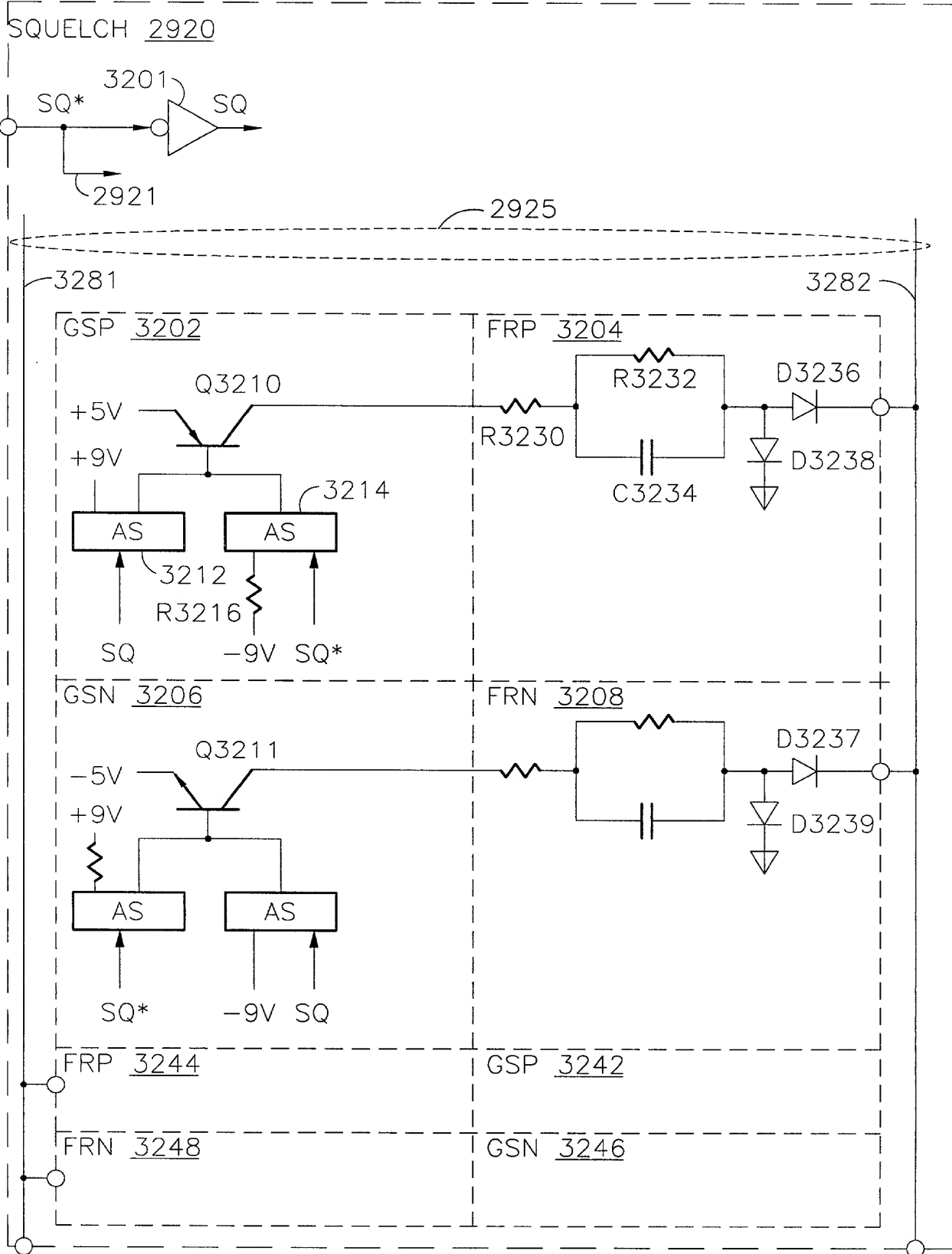


FIG. 32



FIG. 33

PLANAR ANTENNAS			
REF.	POINTS DEFINING PLANE	SQUELCH AT	ORIENTATION
3401	ABCD	V	PARALLEL TO XZ PLANE
3402	FGH	U	PARALLEL TO XZ PLANE
3403	JKL	T	PARALLEL TO XZ PLANE AT MIDDLE OF PASSAGE
3404	BCP	T	$\alpha = 45^\circ$
3405	ANOD	T	$\alpha = 135^\circ$
3406	AJOL	S	$\alpha = 135^\circ$ AND $\delta = 135^\circ$
3407	LCJ	U	$\alpha = 45^\circ$ AND $\delta = 45^\circ$
3408	ABN	J	PARALLEL TO XY PLANE
3409	BCON	K	PARALLEL TO YZ PLANE
3410	ADP	L	PARALLEL TO YZ PLANE

FIG. 34

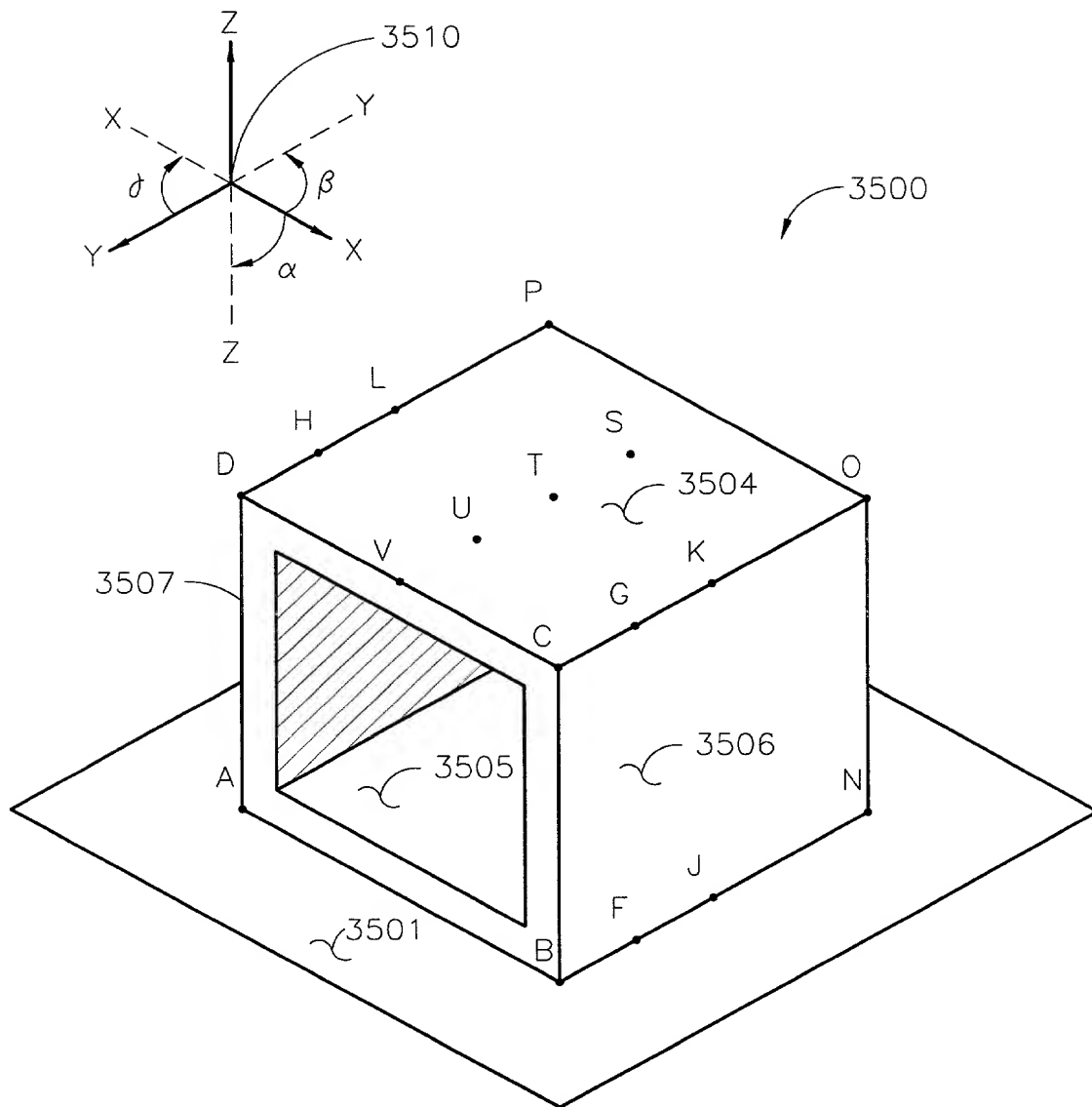


FIG. 35

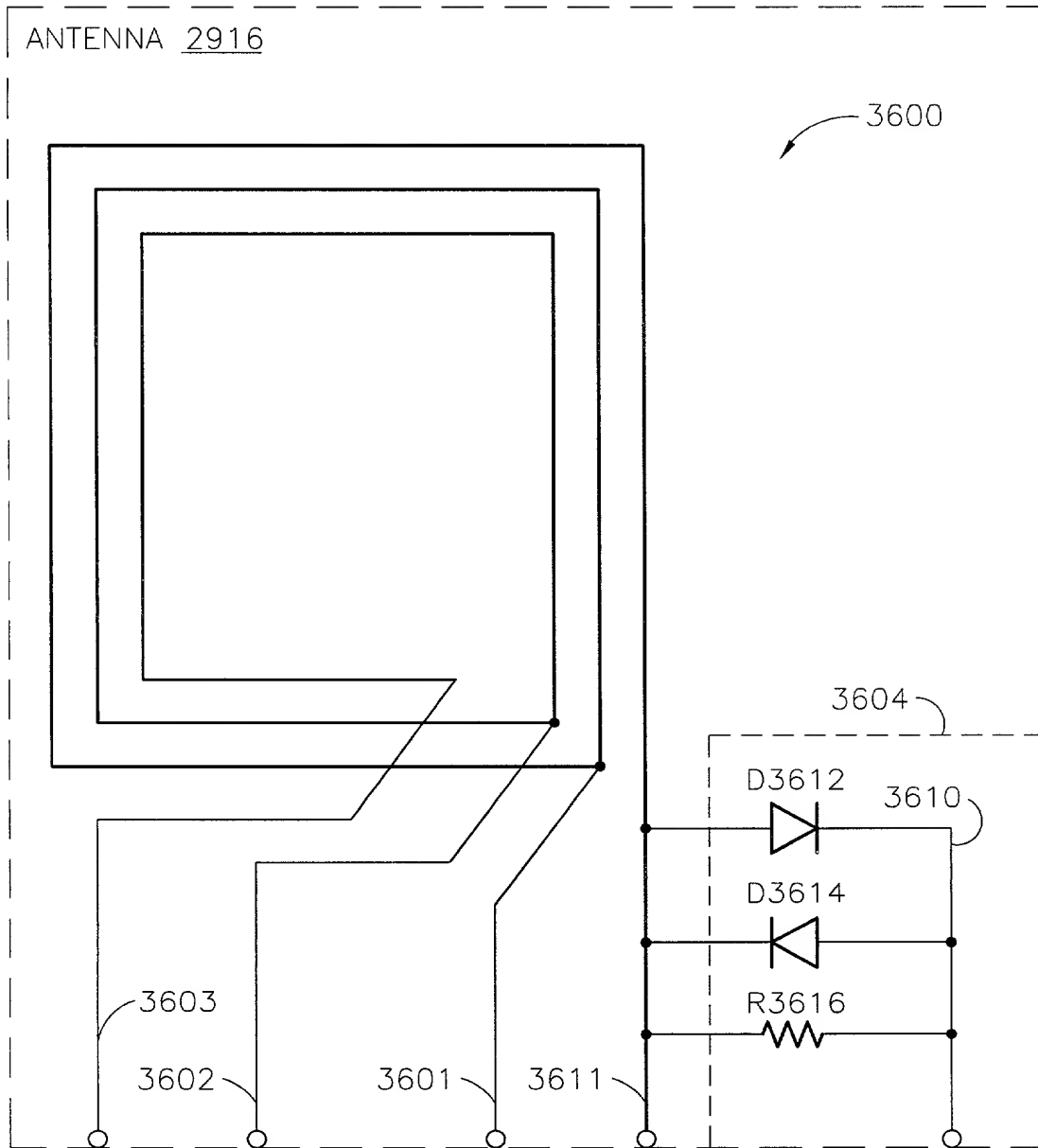


FIG. 36

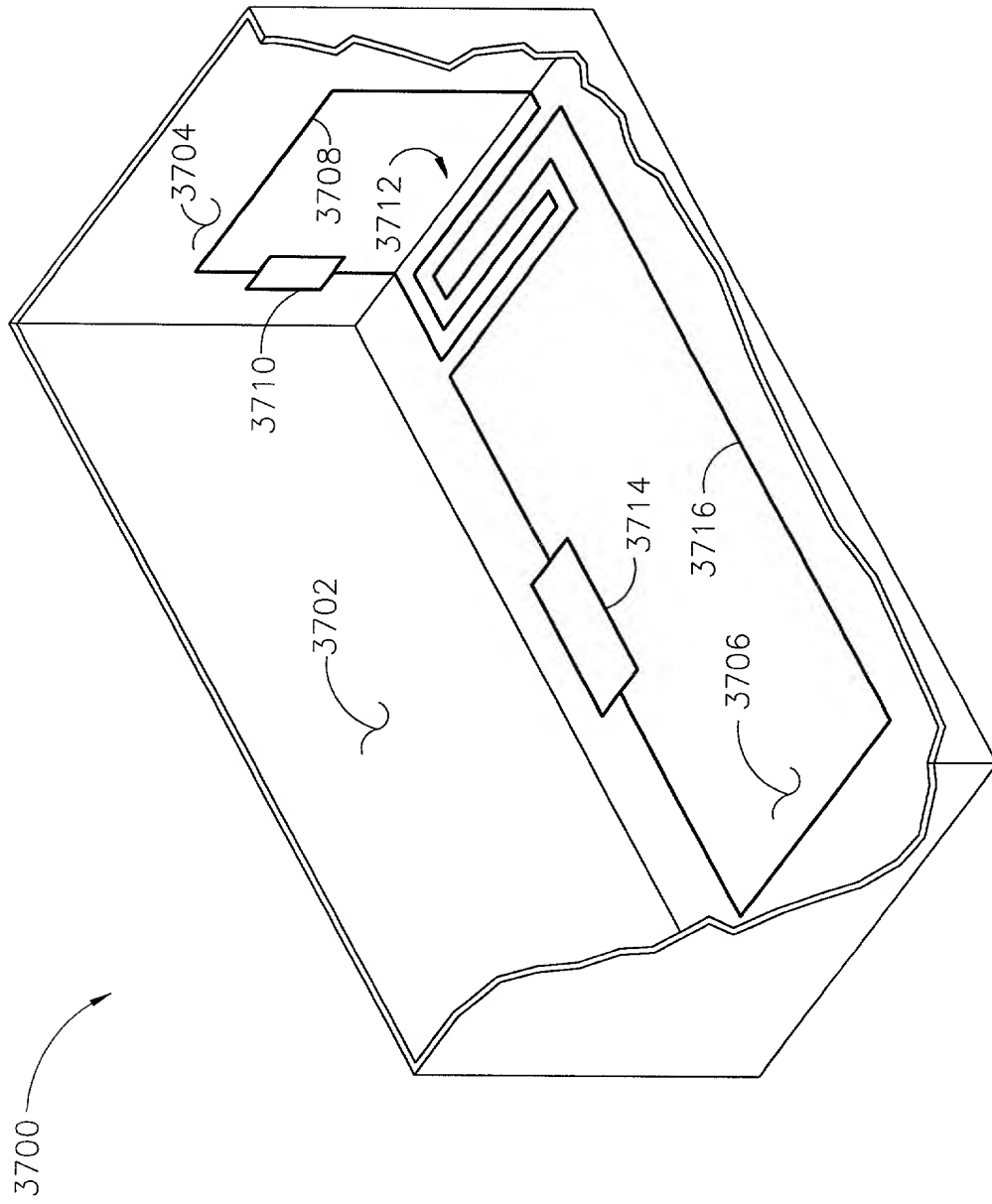


FIG. 37